

# Fluoride in New Jersey Public Water Supplies

August 2008

All ground and surface water in the United States, including in New Jersey, contains some naturally occurring fluoride, and some water systems add fluoride to the water. The tooth enamel of a child's developing primary and permanent teeth will be permanently strengthened, and tooth decay prevented, by absorbing fluorides from the blood. These can come from natural or added fluoride in drinking water or food.

In New Jersey the fluoride levels the U.S. Centers for Disease Control recommend to prevent tooth decay is 0.9 to 1.0 parts of fluoride per million parts (ppm) of water, and should not be more than 2.0 ppm. If a water system has less than that amount in its water supplies naturally, it can add fluoride to bring levels to the recommended level. This addition results in "fluoride-adjusted" water supplies; this term does not include water supplies with only natural fluoride (including private well water with natural fluoride).

The following pages include lists of public water suppliers that add fluoride, and of public water supplies whose natural levels of fluoride meet or approach U.S. Centers for Disease Control recommendations for levels that help prevent tooth decay.

For more information on this topic, contact:

New Jersey Dental Association  
One Dental Plaza  
North Brunswick, NJ 08902  
732-821-9400  
[www.njda.org](http://www.njda.org)

New Jersey Department of Health and Senior Services  
School and Oral Health  
PO Box 364  
Trenton, NJ 08625-0364  
609-943-5749  
<http://www.state.nj.us/health/fhs/newborn/oralhealth.shtml>

National Fluoridation Engineer  
Centers for Disease Control and Prevention  
770-488-6076  
<http://www.cdc.gov/fluoridation/>

New Jersey Department of Environmental Protection  
Bureau of Safe Drinking Water Technical Assistance  
PO Box 426  
Trenton, NJ 08625-0426  
609-292-5550  
<http://www.nj.gov/dep/watersupply/safedrnk.htm>

# New Jersey Fluoride-Adjusted Public Water Supplies

Check with your water system for information about fluoridation levels in your area. These may vary by season or location within a community, and systems may change their fluoridation decisions or whether they buy fluoridated water from other systems.

County	Water System	Communities Served (part or all)	Estimated Permanent Population (thousands)
Atlantic	Atlantic City WD	Atlantic City	37
	Egg Harbor City WD	Egg Harbor	5
Burlington	McGuire Air Force Base	North Hanover	9
	Willingboro MUA	Willingboro	40
	Mt. Laurel Twp MUA	Mt. Laurel	40
	U.S. Army Fort Dix	North Hanover	16
	Aqua New Jersey—Hamilton Square	Chesterfield	2
	Mt. Laurel Township	Mt. Laurel Twp	40
Gloucester	Washington Township MUA	Washington	48
Hunterdon	New Jersey American-Elizabethtown	Raritan Twp; Readington; Tewksbury	13
Mercer	East Windsor MUA	East Windsor	25
	Aqua New Jersey—Hamilton Square	Hamilton; Robbinsville	49
	Hightstown WD	Hightstown	5
	Trenton Water Works	Ewing; Hamilton; Hopewell Twp; Lawrence; Trenton	205
	New Jersey American-Elizabethtown	Hopewell Twp; Lawrence; Princeton Boro; Princeton Twp; West Windsor	51
Middlesex	East Brunswick Water Utility	East Brunswick	47
	South Brunswick Township WD	South Brunswick	35
	New Jersey American-Elizabethtown (directly or through NJA-Jamesburg)	Cranbury; Dunellen; Edison; Jamesburg; Middlesex; Monroe; Piscataway; Plainsboro; South Brunswick; South Plainfield	96
Monmouth    Monmouth (cont'd)	Allentown WD	Allentown	2
	Freehold Borough WD	Freehold Boro; Freehold Twp	11
	Freehold Township WD	Colts Neck; Freehold Township	29
	SB Water	Colts Neck	1

<b>County</b>	<b>Water System</b>	<b>Communities Served (part or all)</b>	<b>Estimated Permanent Population (thousands)</b>
	New Jersey American—Coastal North	Aberdeen; Allenhurst; Asbury Park; Bradley Beach; Deal; Eatontown; Fair Haven; Highlands; Interlaken; Little Silver; Loch Arbour; Long Branch; Middletown; Monmouth Beach; Neptune City; Ocean; Oceanport; Red Bank; Rumson; Sea Bright; Shrewsbury Boro; Shrewsbury Twp; Tinton Falls; West Long Branch	228
Morris	New Jersey American--Elizabethtown	Chester	1
Ocean	New Jersey American—Coastal North	Lakewood	62
Somerset	New Jersey American--Elizabethtown	Bound Brook; Branchburg; Bridgewater; Franklin; Green Brook; Hillsborough; Manville; Millstone Boro; Montgomery; North Plainfield; Peapack-Gladstone; Raritan Boro; Somerville; South Bound Brook; Warren; Watchung	171
Sussex	Newton Water & Sewer Authority	Newton	8
Union	New Jersey American--Elizabethtown	Clark; Cranford; Fanwood; Garwood; Hillside; Kenilworth; Linden; Mountainside; Plainfield; Roselle; Roselle Park; Scotch Plains; Union; Westfield	283
	United Water Rahway	Rahway	27

MUA= Municipal Utilities Authority; WD= Water Department. Communities named may be served as well by other systems that do not fluoridate. Populations are given only for the year-round numbers served by fluoridating utilities (some will have many more consumers during the summer), and are rounded to nearest 1,000.

# New Jersey Natural-Fluoride Public Water Supplies at or near Desired Concentrations

## September 2008

The maximum naturally occurring fluoride permitted in drinking water is 4 parts per million (ppm), versus 2 ppm recommended for fluoride-adjusted water. The desired concentration is 0.9 ppm in southern New Jersey, and 1.0 ppm in the north (differing average maximum air temperatures across regions affect the amount of water people drink), with acceptable ranges of 0.8-1.4 ppm (south) and 0.9-1.5 ppm (north). Water systems were listed below if they had at least one sample of at least 0.8 ppm of fluoride between January 1, 2006 and September 18, 2008.

County	Water System	Communities Served (part or all)	Fluoride Range (parts per million)	Sampling Dates	Estimated Fluoridated Population*
Atlantic	Buena Borough	Buena	0.47-0.81	1-4-06 to 1-7-08	5000
	Egg Harbor City WD	Egg Harbor	0.83	6-27-06	5000
Burlington	Burlington City WD	Burlington	0.8	2-16-06	10,000
	U.S. Army Fort Dix	North Hanover	0.2-0.82	3-27-06 to 5-13-08	16,000
Cumberland	Bayshore Mobile Home Park	Stow Creek	1.36	5-1-06	80
Gloucester	Clayton WD	Clayton	0.38-1.93	3-27-06	7200
	Deptford Twp MUA	Deptford	0.27-1.65	8-30-06 to 9-12-07	26,000
	Glassboro WD	Glassboro	1.64-1.85	6-24-06 to 6-24-08	19,000
	Mantua Twp MUA	Mantua	0.11-1.78	5-27-08	12,000
	Manor Water Assns	Mantua	1.32-1.34	5-4-06	90
	Pitman WD	Glassboro, Mantua, Pitman	1.47-1.97	10-3-06 to 12-26-06	9000
	Wenonah WD	Wenonah	1.39-1.42	6-7-06	2000
Morris	Woodbury City WD	Woodbury	0.2-1.37	2-28-08 to 5-15-08	11,000
	AWM Four Seasons at Chester	Chester	1.17-1.19	9-7-06	300
Passaic	New Jersey American Water Co.-West Jersey	Mt. Olive	0.98	6-13-06	700
	West Milford Twp MUA Awosting	West Milford	0.7-1.0	8-7-06	500
Salem	Woodstown WD	Mannington, Pilesgrove, Woodstown	0.25-2.58	7-11-06	4000
Sussex	Great Gorge Terrace Assn	Vernon	1.55	3-29-06	60

MUA= Municipal Utilities Authority; WD= Water Department.

\* Populations rounded to nearest thousand if over one thousand, otherwise rounded to nearest ten or hundred, as appropriate.